

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,822,629 B2  
APPLICATION NO. : 09/464311  
DATED : October 26, 2010  
INVENTOR(S) : Qiming Chen et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 17, line 36, after “data-warehouse” insert -- daily, using an OLAP server. --.

In column 25, line 24, in Claim 14, delete “comparing\_calling” and insert -- comparing calling --, therefor.

In column 26, line 26, in Claim 20, delete “engine,” and insert -- engine --, therefor.

In column 26, line 55, in Claim 23, delete “Cs” and insert -- C<sub>s</sub> --, therefor.

Signed and Sealed this  
Fifteenth Day of March, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos  
*Director of the United States Patent and Trademark Office*